AUS920030686US1

DAS, ET AL.

Efficient and Scalable Event Partitioning in Business Integration Applications
Using Multiple Delivery Queues

SAP — 104

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MQ Listener

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BO Service Mapping Call — 121

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IIOP

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IIOP

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FIG. 1

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Fig. 2
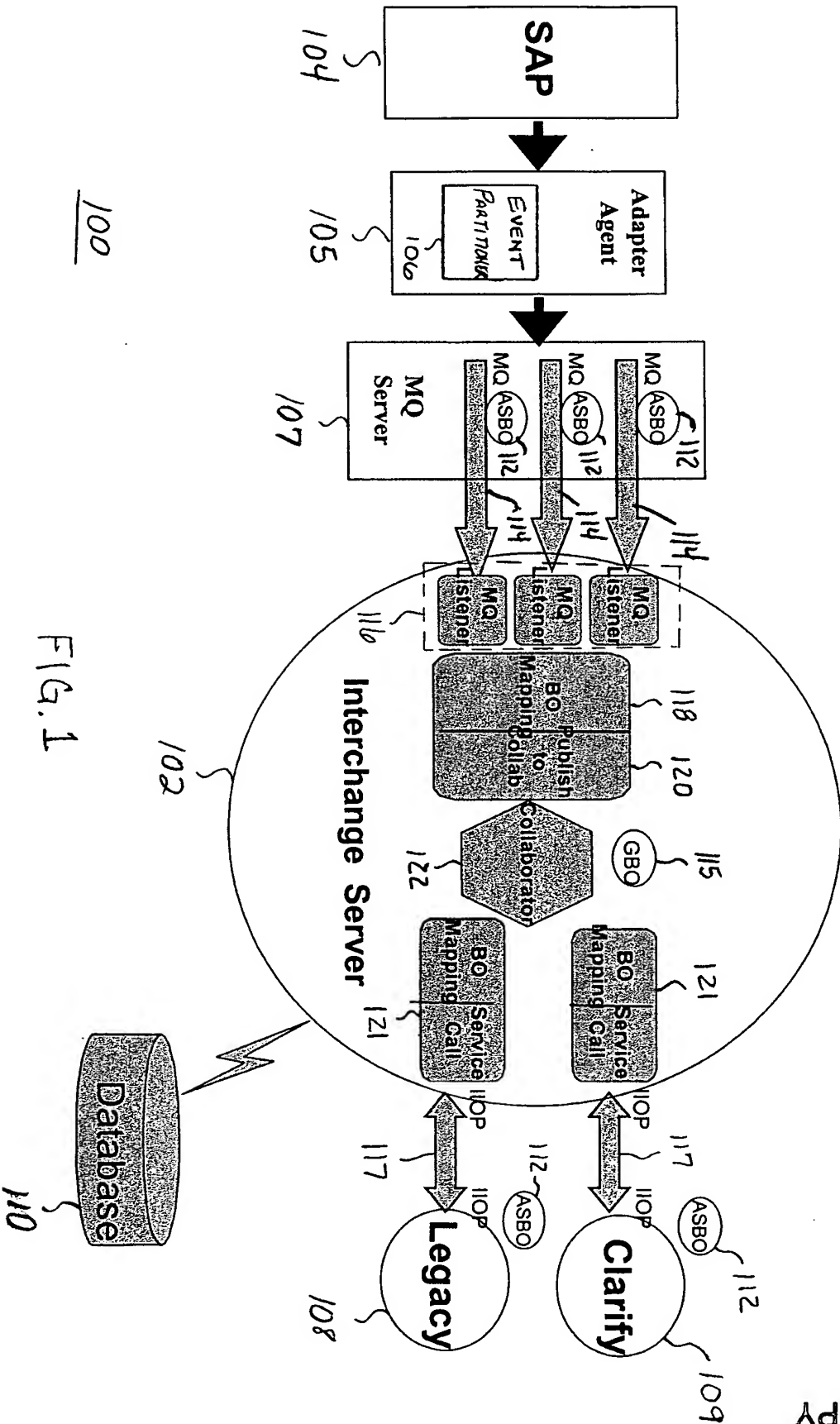
Fig. 3

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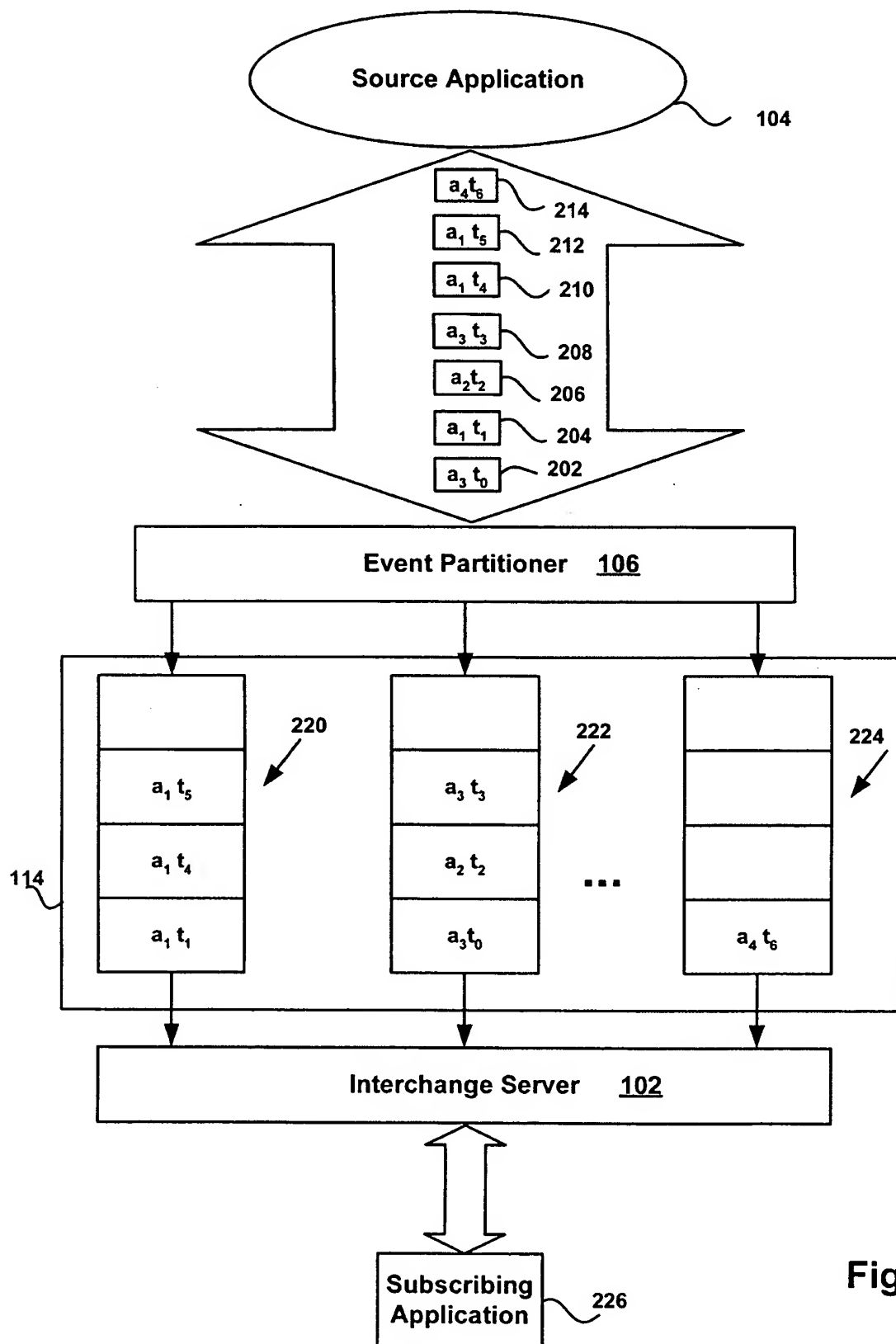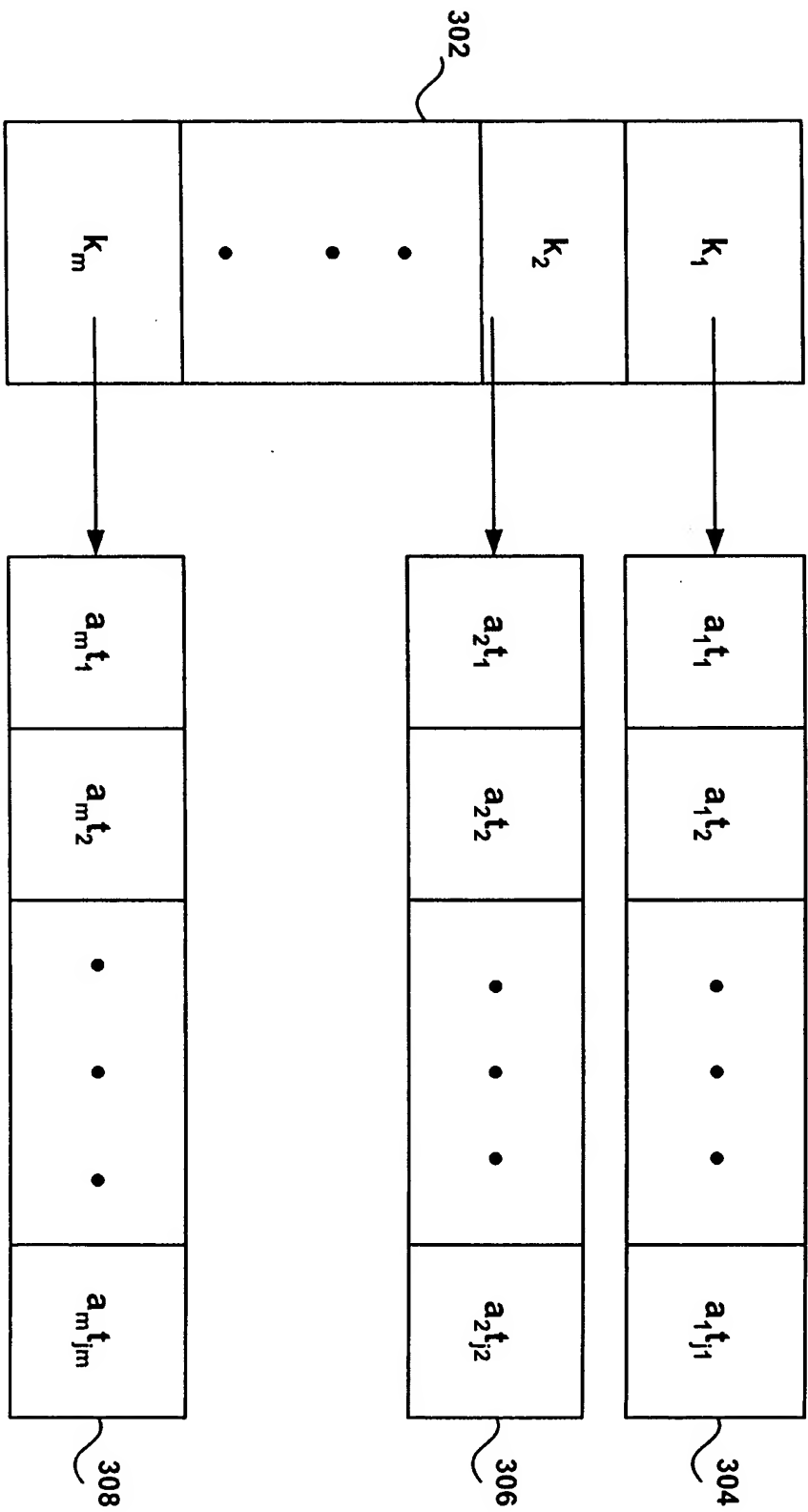Integration Applications Using Multipl Delivery Queues

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Fig. 4

Receive business objects issued by a source application — 402

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Partition received business objects into independent data sets — 404

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Perform a modulo transformation on the data sets to assign each data set to an event group — 406

↓

Store data sets in the event queue allocated for each data set's assigned event group. Each business object is stored in a given event queue in temporal order of arrival relative to other business objects stored therein. — 408

↓

Process each business object within a given event queue in parallel with other business objects stored within a different event queue — 410

400